

## CLAIMS

What is claimed is:

1. A method comprising:  
requesting a memory address region and boot image data from a server;  
receiving the boot image data and a designated memory region from the server;  
and  
storing the boot image data at the designated memory region.
2. The method of claim 1, further comprising:  
jumping to the designated memory region; and  
initializing an operating system.
3. The method of claim 2, wherein initializing an operating system comprises  
initializing without use of a network bootstrap program.
4. The method of claim 1, further comprising discovering a network protocol  
identifier.
5. The method of claim 1, further comprising operating utilizing PXE (preboot  
execution environment).
6. The method of claim 1, wherein network data is directly loaded into system  
memory though use of a UNDI (Universal Network Device Interface) network  
interface.

7. The method of claim 1, further comprising loading a bootloading API (application program interface).
8. A method comprising:
  - receiving a packet comprising a network protocol identifier from a client;
  - transferring an offer packet to the client;
  - receiving a request for a boot memory region from the client;
  - designating a boot memory region; and
  - transferring boot load data and the designation of the boot memory region to the client.
9. The method of claim 8, wherein the client initializes an operating system utilizing the boot load data.
10. The method of claim 8, further comprising operating utilizing PXE (preboot execution environment).
11. The method of claim 8, wherein a network bootstrap program is not transferred to the client.
12. A client system comprising:
  - a memory; and
  - a bootloader, the bootloader to:
    - request a memory address region for the memory and boot image data from a server;

receive the boot image data and a designated memory region from the  
server; and  
store the boot image data at the designated memory region.

13. The client system of claim 12, wherein the bootloader is to jump to the designated memory region and start an operating system.
14. The client system of claim 12, wherein the bootloader is to discover a network protocol identifier.
15. The client system of claim 12, wherein the bootloader utilizes PXE (preboot execution environment).
16. The client system of claim 12, wherein network data is directly loaded into the memory through use of a UNDI (Universal Network Device Interface) network interface.
17. The client system of claim 12, wherein the bootloader is to load a bootloading API (application program interface).
18. The client system of claim 12, wherein bootloader starts an operating system without use of a network bootstrap program.
19. A machine-readable medium having stored thereon data representing sequences of instructions that, when executed by a processor, cause the processor to perform operations comprising:  
  
requesting a memory address region and boot image data from a server;

receiving the boot image data and a designated memory region from the server;

and

storing the boot image data at the designated memory region.

20. The medium of claim 19, further comprising instructions that, when executed by the processor, cause the processor to perform operations comprising:  
jumping to the designated memory region; and  
initializing an operating system.
21. The medium of claim 20, wherein initializing an operating system comprises  
initializing without use of a network bootstrap program.
22. The medium of claim 19, further comprising instructions that, when executed by the processor, cause the processor to perform operations comprising discovering a  
network protocol identifier.
23. The medium of claim 19, further comprising instructions that, when executed by the processor, cause the processor to perform operations comprising operating  
utilizing PXE (preboot execution environment).
24. The medium of claim 19, wherein network data is directly loaded into system  
memory through use of a UNDI (Universal Network Device Interface) network  
interface.
25. The medium of claim 19, further comprising instructions that, when executed by the processor, cause the processor to perform operations comprising loading a  
bootloading API (application program interface).

26. The medium of claim 19, further comprising instructions that, when executed by the processor, cause the processor to perform operations comprising initializing an operating system without use of a network bootstrap program.
27. A machine-readable medium having stored thereon data representing sequences of instructions that, when executed by a processor, cause the processor to perform operations comprising:
- receiving a packet comprising a network protocol identifier from a client;
  - transferring an offer packet to the client;
  - receiving a request for a boot memory region from the client;
  - designating a boot memory region; and
  - transferring boot load data and the designation of the boot memory region to the client.
28. The medium of claim 27, wherein the client initializes an operating system utilizing the boot load data.
29. The medium of claim 27, further comprising instructions that, when executed by the processor, cause the processor to perform operations comprising operating utilizing PXE (preboot execution environment).
30. The medium of claim 27, wherein a network bootstrap program is not transferred to the client.